

March 2, 2021

**SUBJECT: Request for Proposal / RFP #122F-20
Overhaul of Two 149-Passenger Subchapter "T" Ferries
COMMBUYS Bid# BD-21-1206-40000-40000-56900**

Addendum No. 4

Dear Bidders:

Please be advised that the above has been amended and/or clarified as shown on the attached that is made a part of herein.

Please see *pages 2 through 7* of this Addendum for further details.

Acknowledgment of this Addendum must be so noted on your proposal submittal.

ALL ELSE REMAINS AS PREVIOUSLY STATED.

Sincerely,

Joe Flynn
Sourcing Executive

Attachment

Addendum No. 4 (p. 2)

Clarifications

General:

Please note that Addendum No. 3 has been ***duplicated*** in COMMBUYS, although entitled differently: “Amendment No. 3/Addendum No. 4”. Please disregard.

This current document is Addendum No. 4 and will need to be acknowledged in your proposals.

Commercial Specification

Section 5.2:

Replace Section 5.2.D with:

- D. **Mock-Ups.** The Contractor must provide a pilothouse console mock-up per the requirements of Technical Specification Section 646.1.

Section 5.3:

Replace Section 5.3.A, including sub-items 1 and 2 with:

- A. MBTA will review and answer Contractor submittals within the timeframes indicated in Technical Specification Section 007, except for the following:

1. The Contractor is encouraged to submit design packages as they are completed, to avoid submitting a large number of submittals at once. Should several major design packages be submitted simultaneously, the Authority may require additional time to complete the review. In such a case, MBTA will review them in accordance with priorities mutually agreed upon with the Contractor.

Technical Specification:

Section 001:

Replace the second paragraph with:

The vessels are designed and constructed to be fully capable in all respects of providing reliable, year-round service in the Boston region with a certification for Lakes, Bays and Sounds, Cold Water Service – these capabilities and certification shall be maintained through the overhaul. The vessels after overhaul shall continue to conform to all regulations that apply to a 46 CFR Subchapter “T” Passenger Vessel with a Gross Regulatory Tonnage not to exceed 100GT (Gross Tons). All work performed during overhaul shall be according to good shipbuilding practices.

Addendum No. 4 (p.3)

Section 004.4:

Replace the first sentence of the last paragraph with:

Within one hundred twenty (120) days of NTP, Contractor shall submit to Authority for approval, arrangement drawings to demonstrate compliance with ADA/PVAG requirements [CDRL 4-1].

Section 011.5:

Correct the numbering of Section “0.11.5” to Section “011.5”.

Section 011.6:

Correct the numbering of Section “0.11.6” to Section “011.6”.

Replace the first sentence of the last paragraph with:

A Maintainability Demonstration Plan [CDRL 11-1] shall be submitted for approval no later than 30 days prior to the Maintainability Demonstration.

Section 017.1:

Replace this section with:

Material, unless otherwise specified herein, shall meet industry best practices for quality, shall be commercial grade, suitable for marine environment, and shall conform to USCG (CFR) requirements. Where materials meet specific quality standards, this shall be so designated on Bills of Material and on Construction Drawings. All materials shall be new and shall be designed and manufactured to the highest quality to ensure durability and suitability for the intended purpose. All materials shall be free from imperfections of manufacture and from defects, which adversely affect appearance or serviceability.

All new aluminum installed on the vessels shall be of plate thicknesses class, and scantling size as the material replaced, generally, this will be 5083-H116 plating and 6061-T6 extrusions, but the proposed material shall be submitted for Authority approval. Unless otherwise specified, or against shipbuilding best practices or regulatory requirements: all hardware shall be stainless steel.

Section 017.4:

Replace the paragraph in this section with:

Aluminum welding shall be of electric pulse arc Metal Inert Gas “MIG” or Tungsten Inert Gas “TIG” type process as appropriate. Welding preparation and execution shall comply with USCG or Class Society requirements. Welders shall be qualified for the welds which

Addendum No. 4 (p. 4)

they are to perform per American Welding Society (AWS) certification, or other Authority-approved qualification. Automatic welding equipment shall be USCG approved.

Section 018.4.3:

Replace this paragraph with:

The Contractor shall provide specification data sheets for all new or modified consumable parts such as: filters, hardware, lamps, oils and lubricants, windows, etc. no later than thirty (30) days in advance of delivery of the first vessel. [CDRL 18-5]

Section 150:

Replace the second paragraph with:

New aluminum for any refitted or new construction portions of the superstructure, deckhouses and miscellaneous structures shall utilize 5083-H116 plating and 6061-T6 extrusions, consistent with the vessel's original construction. Repaired areas shall not be visually different from the surrounding structure after coating of the superstructure; this includes flatness and warping of the aluminum after welding.

Replace the third paragraph with:

Any new structural bulkheads shall be properly stiffened to minimize distortion. All welding shall be completed in accordance with the requirements of the USCG. Welders shall be qualified for the welds which they are to perform per American Welding Society (AWS) certification, or other Authority-approved qualification. Automatic welding equipment shall be USCG approved. Proper welding techniques and sequence shall be used to limit stresses and distortions. Tack welding shall be kept to a minimum and shall not be capable of limiting free movement of structure during finish welding.

Section 261:

Delete Item 3 in the numbered items in the second paragraph regarding double walled fuel lines.

Section 301:

Replace the first paragraph with:

Electrical installations and modifications shall be performed in compliance with the requirements of 46 CFR subchapter J and industry best practice. Installations of electrical equipment and wiring necessitated by work covered in other portions of these Specifications shall be provided by the contractor whether or not specifically called for in the Electrical portion of these Specifications. The Contractor shall make minor alterations and wiring modifications as a part of the Contract deliverables.

Addendum No. 4 (p. 5)

Section 321.9:

The sentence in Section 321.9 shall be replaced with:

Lighting switches throughout the vessel shall be removed and replaced in-kind with new.

Section 511.1:

Replace the second paragraph of Section 511.1 with:

The HVAC system modifications shall be designed and installed in accordance with manufacturer's recommendations, and the Specifications herein. SNAME Technical and Research Bulletin No. 4-16, shall be considered as guidance; however, the Authority acknowledges that full compliance with its recommendations may not be achievable due to the limitations of the existing vessel design. The HVAC system as delivered shall be fully functional and shall meet the specification requirements.

Section 511.4.3 – Outdoor Condensing Units (OCU):

Replace the second paragraph with:

The new OCUs shall be interchangeable, and designed for refrigerant R-410A, unless otherwise approved by the Authority. The OCUs shall be coated to prevent corrosion in a marine environment; manufacturer's documentation for the coating shall be provided to the Authority for review during the design review process. HVAC unit and component design and installation shall facilitate the accessibility to perform all maintenance, trouble-shooting and repair easily and without interference with other systems. Thermostats and filters shall be removable without dismantling the assembly.

Section 511.6:

Replace the second paragraph of Section 511.6 with:

Contractor shall also include defrosters/defoggers for the pilothouse forward windows, which shall have controls located in the pilothouse console. The defrosters shall provide airflow to the forward windows from multiple directions. In lieu of pilothouse window defroster/defoggers, Contractor may propose heated windows, if Contractor can show that they provide equivalent or better performance and do not significantly increase the vessel weight.

Section 568:

Replace the last paragraph of Section 568 with:

Waterjet components shall be permanently marked with the manufacturer's serial number or other unique identifier so that change outs and service life can be tracked.

Addendum No. 4 (p. 6)

Section 625.2:

Replace the second paragraph of Section 625.2 with:

See Section 511.6 regarding window defrosters/defoggers. In lieu of pilothouse window defroster/defoggers, Contractor may propose heated windows if Contractor can show that they provide equivalent or better performance and do not significantly increase the vessel weight.

Section 903.3:

Replace the last two paragraphs of Section 903.3 with:

Results of the sound level and vibration measurements shall be provided to the Authority and shall be used as a testing criterion in the Sea Trials described in Section 985.7. Contractor's modifications to the vessels during overhaul shall not increase the sound and vibration levels.

Section 985.7:

Replace Section 985.7, Item 5 with:

5. **Sound & Vibration Trials** – The Contractor shall engage an independent Sound contractor to measure sound and vibration levels on sea trials and to provide a report of findings to the Contractor and the Authority [CDRL 982-6].

The average interior sound level in the main deck passenger cabin, while operating the vessel at normal operating RPM of 85% power and when loaded for Trial Deadweight, shall not exceed those measured in the pre-overhaul trials (see Section 903.3).

Contractor's design shall keep interior sound level at or below the pre-overhaul levels (see Section 903.3).

Contractor shall be responsible for ensuring that vibration at all operating speeds should not increase passenger discomfort, as compared to the pre-overhaul conditions.

Exterior engine exhaust noise shall not exceed the pre-overhaul levels (see Section 903.3) when measured at a point 100 meters from the side of the vessel while operating the vessel at normal operating RPM of 85% power and when loaded for Trial Deadweight.

Vibration levels in the main deck passenger space shall be measured and assessed in accordance with the standards of ISO 6954:2000, *Guidelines for the Measurement, Reporting, and Evaluation of Vibration with Regard to Habitability on Passenger and Merchant Ships*, or other suitable standard approved by the Authority. Measurements shall be made in the same manner as the vibration measurements prior to overhaul to allow for comparison. Contractor shall ensure that the vibrations measured in the post-overhaul state shall not have an adverse effect on passenger comfort as compared to the pre-overhaul condition.

Addendum No. 4 (p. 7)

Appendix E:

An Excel version of the CDRL list is attached.

Appendix E:

In the CDRL list, change the due dates as follows:

CDRL 004-1 – ADA/PVAG compliance drawings shall be due at “NTP +120 days”

CDRL 011-1 – Maintainability Demonstration Plan shall be due at “Maintainability Demonstration - 30 days”

CDRL 018-5 – Specification data sheets for new or modified consumables shall be due at “Vessel Delivery - 30 days”

ALL ELSE REMAINS AS PREVIOUSLY STATED.